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CONCLUSIONS

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cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².

105. The method according to claim 104, wherein said blood-clotting factor is chosen from factor VII, factor VIII, and factor IX.
106. The method according to claim 105, wherein said blood-clotting factor is factor IX.
107. A method of stimulating nerve growth *in vivo* comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding at least one neurotrophic factor, and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
108. The method according to claim 107, wherein said neurotrophic factor is chosen from NGF, BDNF, NT3, NT4/5, and NT6.
109. A method of promoting formation of red blood cells *in vivo* comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding at least one hematopoietic factor, and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
110. The method according to claim 109, where said at least one hematopoietic factor is chosen from erythropoietin, GM-CSF, M-CSF, and LIF.
111. A method of producing expression of human factor IX *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one

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